

FOLIO

Vice-President (Academic) Appointed

J. Peter Meekison, currently Deputy Minister of Alberta Federal and Intergovernmental Affairs (FIGA), has been appointed Vice-President (Academic) of the University of Alberta, effective for a five-year term from 1 July 1984.



J. Peter Meekison

Dr. Meekison, currently on full-time leave from the University's Department of Political Science, is certainly aware of the magnitude of the duties of this important role and the environmental complexities now facing the University. Before accepting a series of appointments with the Government of Alberta, Dr. Meekison served as Chairman of the Department of Political Science, was Associate Dean of the Faculty of Graduate Studies and Research, and, in addition to many other appointments, was Chairman of the University Library Committee.

During Dr. Meekison's leave from the University, which began several years ago, he has maintained numerous contacts with the institution. He has

taught undergraduate students, supervised doctoral and master of arts students, and has engaged fully in the life of the institution. A scholar with many publications, invited lectures, and address to his name, he has built for himself a renown that goes far beyond the borders of this province and country.

Dr. Meekison is a graduate of Duke University, the University

of Western Ontario, and the University of British Columbia. He is married with two teen-aged children.

A valedictorian of the 1961 class of UBC, Dr. Meekison is the recipient of many awards and honors.

The responsibilities of the Vice-President (Academic) are broad and far-ranging. The person appointed has a major influ-

ence in many of the decisions that are made for the University regarding academic content, courses, quotas, etc.

One of the major responsibilities of the Vice-President (Academic) is to head a special group charting the strategic planning for the University during the next decade, a time fraught with challenges in an age of restraint. □

Dean of Medicine Appointed

At the 6 January meeting of the Board of Governors Douglas R. Wilson was appointed Dean of the Faculty of Medicine effective 1 July 1984.

The initial term of office is five years.

Dr. Wilson is currently Professor of Medicine, University of Toronto, and Director, Tri-Hospital Nephrology Service (Toronto General, Mt. Sinai, and Women's College Hospitals), and Head, Division of Nephrology, Toronto General Hospital.

A graduate of the University of Toronto (MD 1959), he distinguished himself by attaining the highest standing in the four medical years. He took post-graduate clinical training in Toronto and Vancouver until 1964 when he assumed a Research Fellowship at Peter Bent Brigham Hospital and Harvard Medical School, Boston.

In 1966-67, he was a Research Fellow at the Royal Post-graduate Medical School, London.

Dr. Wilson's rise at the Uni-

versity of Toronto began in 1967 when he became an Associate in the Department of Medicine. He was appointed Professor of Medicine ten years later.

Dr. Wilson, FRCP, has directed the Tri-Hospital Nephrology Service since 1974.

Recently, the Medical Research Council of Canada awarded him a five-year term grant (1983 to 1988, \$66,000 per year) for studies of acute renal failure, obstructive nephrology, and collecting duct function.

Dr. Wilson has served on three committees of the Health Protection Branch, Department of Health and Welfare, and MRC's Experimental Medicine Grants Review Committee. He has been Chairman of the Royal College of Physicians and Surgeons of Canada's Specialty Committee in Nephrology since 1978.

Invited lectures outside Toronto have taken Dr. Wilson to a number of Canadian and American universities, including the University of Alberta (1971).



Douglas R. Wilson

A member of ten professional societies, including the International Society of Nephrology, Dr. Wilson has authored a host of research studies and articles, book chapters, editorials, and reviews. □

Drs. Field and Kumar Named McCalla Professors

The Christmas mail brought glad tidings to Peggy Anne Field and S. Kumar. A note from President Horowitz informed them of their selection as McCalla Research Professors 1984-85.

A McCalla Professorship affords the recipient the opportunity of suspending teaching and administrative duties in favor of full-time research.

Professor Field, Nursing, will complete a book entitled *Qualitative Research in Nursing*, co-authored with colleague J. Morse. Currently, there is no book on qualitative methods for nurses and the publication is intended as a resource for nurse researchers and graduate students.

Another project which Dr. Field will complete is the data analysis and writing of the report for a study which she has been working on for some time. The comparative study, "Patient Satisfaction with Maternity Care," was made possible through a grant from the University Central Research Fund. The results of the study will be used to prepare a questionnaire to distribute

to all mothers who delivered in a four-week period in Edmonton hospitals in order to compare sources of satisfaction with mode of service, across the hospitals in the city.

The collection of data for a study on "Maternal Factors which Influence Newborn Colic" is a project which Dr. Field will begin. A proposal is to be submitted to the Alberta Foundation for Nursing Research (AFNR) in March for funding in September 1984. She will also begin development of a funding proposal for the National Health Research and Development Program for an alternative birthing centre as an Alberta demonstration project. Dr. Field says this

project will take considerable time as it will mean looking at availability of suitable facilities, and getting advice from the Fire Department, architects, etc. She estimates that three months will be needed to prepare this proposal. As part of the proposal, Dr. Field feels it would be beneficial to visit the Maternity Center in New York, one of the most carefully evaluated service delivery programs in the United States. The concept of birthing centres has been endorsed by the Alberta Association of Registered Nurses and the College of Physicians and Surgeons of Alberta. The Faculty has three qualified nurse-midwives and an established educational program

that prepares students capable of providing care in such a facility.

Dr. Field studied in her native England prior to coming to Canada in 1957. She earned a diploma in teaching and supervision as well as a BN degree from McGill University and received a MN degree from the University of Washington. Dr. Field also graduated from our University with a doctorate.

Dr. Field taught at the Royal Victoria Hospital in Montreal before joining the Faculty of Nursing in 1964. She has also lectured at McGill and Memorial Universities.

Dr. Kumar, Rehabilitation Medicine, had his interest piqued by Alberta Workers' Compensation Board figures which showed that in 1979, some \$27 million was spent as a result of back injuries. "The dollar figure associated with this condition has shown a steady and significant increase in the past," he noted in his McCalla research plan.

Permanent disability resulting from back disorders has been mounting and the amount of research into the safety of the human back is considerable. However, said Dr. Kumar, a global research program to develop contours of responses has not been undertaken. During his term as a McCalla Professor, he expects to complete most of the experimental work required for the project and part of the analysis.

Dr. Kumar plans to determine the contours of the physiological responses resulting from varying physical tasks in different planes. This information, he feels, will help to establish relative response characteristics of the human physiological system when under varying stresses. "Such a procedure will tend to highlight potentially hazardous situations."

Ten males and ten females who work in local industries and who have no history of back disorder will be selected from each of the age groups of 15 to 24 years, 25 to 34 years, 35 to 44 years, and 45 to 54 years. Their

Distinguished Mathematical Geologist to Visit

Richard B. McCammon of the United States Geological Survey Office of Resource Analysis in Reston, Virginia, will be a guest of our University for the period 30 January to 17 February. Brought to the campus by the Endowment Fund for the Future Distinguished Visitor program, with support from the Edmonton Geological Society and the Canadian Society of Petroleum Geologists, Dr. McCammon will be hosted by the Department of Geology.

Dr. McCammon is a geostatistician/mathematical geologist of international repute with more than 80 major publications, including contributions to three books. He spent seven years with Gulf Research and Development Company, taught at the Universities of North Dakota, Illinois, Calgary and Syracuse and was a Senior Research Fellow at the Division of Scientific and Industrial Research in New Zealand before joining the United States Geological Survey eight years ago. In addition,

he has been an invited lecturer at the Chinese Academy of Geological Sciences in Beijing, a consultant to the International Atomic Energy Agency in Vienna and an advisor to the Geological Institute of Hungary in Budapest.

Dr. McCammon's work over the past ten years has focussed on mineral resource appraisal, classification and prediction modelling using sophisticated statistical and computer methods. He is currently applying techniques of artificial intelligence and expert systems in mineral resource assessment and exploration.

During his stay at the University, Dr. McCammon will present a series of nine two-hour seminars on the general topic "Expert Systems in Geology: Applied Artificial Intelligence." Seminars will be held from 4 to 6 p.m. in 150 Earth Sciences Building on the following days: 31 January and 1, 2, 3, 7, 8, 16, 17 and 18 February. □

FOLIO

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weights, heights, reaches, knee heights, hip heights, knuckle heights, shoulder heights, and overhead reach will be measured. Next, their maximal voluntary isometric contraction (MVIC) of trunk muscles along with 40 and 70 percent of the MVIC will be recorded electromyographically. During such efforts intra-abdominal pressure and postural details will also be recorded.

The volunteers, hardy souls that they are, will be required to lift a tote bag weighing 5 kg., 10 kg., and 15 kg., with straight knees and bent back in 30 and 60 degree planes. At the same time, electromyograms of erector spinae, external oblique, intra-abdominal pressure, and the events of lift-off and touch-down will be marked on a chart recorder. Dr. Kumar will employ a video cassette recorder and interrupted photography (three pictures per second) in the recording of postural data.

The ultimate objective is to identify unsafe limits of lifting and help prevent back injury at work and home alike.

According to Dr. Kumar, all studies reported so far have considered only sagittal plane (30 degrees) or fixed straight back arm activities. "The spine can be subjected to many other kinds of stresses. This project will study some of the more common combinations of stresses on comparative bases which occur in life and demonstrate quantitatively vulnerability of mechanically complex parts of the human anatomy.

The development of predictive models, Dr. Kumar says, may take us a step closer to the prevention of many industrial accidents. "If such an objective is even partially fulfilled, its socioeconomic impact is obvious."

Dr. Kumar took his post-secondary education in India and England. He was awarded the PhD by the University of Surrey in 1971. His area of concentration was biomechanical physiology.

From 1971 to 1973 he taught Ergonomics to MSc students at Trinity College, Dublin; from 1974 to 1977, he was a Research

Associate in the University of Toronto's Department of Rehabilitation Medicine.

Dr. Kumar was appointed to the Department of Physical

Therapy at our University in 1977. He has done consulting work on behalf of the provincial government and Western Airlines. □

University Staff Respond to United Way Campaign in Impressive Fashion

Employees of the University of Alberta contributed more than \$137,810 to the 1983 United Way campaign. Using payroll deductions and cheques sent directly to the Comptroller's office as a guide, this amount involved more people giving more dollars than ever before in the history of the University's participation in the United Way. In addition, since many employees chose to forward United Way donations directly or under the auspices of other campaign divisions such as business or professional organizations, the official total of \$137,810 is an understatement of the total contribution to the community by the University's employee group.

increased by almost 28 percent. The average contribution in 1983 was \$158 compared with \$162 the previous year. While the participation rate for non-academic staff was lower than that for academic staff, the actual dollar value of non-academic staff contributions increased by 76 percent over 1982.

Without making any distinction between academic and non-academic staff, the following Faculties and units led the way in 1983 with participation rates in excess of the average for the University's employee group as a whole:

Faculté Saint-Jean	54.5
Nursing	42.3
Law	38.5
Libraries	28.2
Office of the Comptroller	25.4
Home Economics	22.7
Office of the Dean of Students	22.2
Arts	21.9
Agriculture and Forestry	20.0
Administrative Systems	19.4
Medicine	18.5
Engineering	18.1
Education	18.1
Computing Services	16.8
Science	16.7

The campaign method was changed in 1983 in an attempt to increase both the employee participation rate and the total dollars donated. In previous years, a covering letter and a payroll deduction authorization form were mailed to all staff. This year, with the assistance of more than 100 canvass coordinators and a much larger number of canvassers, the United Way message was taken more personally to the majority of staff members. Comparison of both methods reveals that the

Winds of Change Steer Clear of University Stadium

On 10 December 1983, an article appeared in the *Edmonton Journal* entitled "Wickman wants Clarke torn down." It was reported that the University Stadium, with upgrading, could become the home of amateur sports in this city.

Gerry Glassford, Dean of the Faculty of Physical Education and Recreation, has issued the following statement:

"At the present time, the University does not intend to pursue the possibility of upgrading the University Stadium. Any official negotiations on matters pertaining to active, working relationships on programs such as that alluded to in the 10 December article, between the City of Edmonton and the University of Alberta, would have to occur at the Board of Governors level. Obviously, many members of the

Faculty of Physical Education and Recreation will continue to express actively their concern, shared with members of City Council, that there is a need to improve the amateur sport environment on the campus, in the city, and in northern Alberta." □

Deadline Looming

The deadline for the submission of applications to the Fund for Support of International Development Activities and the University/Community Special Projects Fund is 15 January 1984.

Late applications will not normally be considered by the committees until after the next deadline of 15 April 1984. □

WE GAVE



This year's campaign approached all staff members eligible to use the payroll deduction procedure. While participation rates in recent years have ranged between 10 and 12 percent for this employee group, participation in 1983 increased to 15.8 percent (9.9 percent for non-academic staff and 25.3 percent for academic staff). In contrast with 1982, the total number of contributors in 1983

momentum of a canvass takes longer to grow but is then sustained over a longer period with superior results.

The 1983 city-wide United Way campaign was a resounding success. The campaign goal of \$5.365 million was reached for the first time in seven years. The Education Division (which included the University of Alberta) achieved 103.7 percent of its objective of \$325,329.

This report must end with a sincere word of appreciation to all those individuals who supported the United Way in 1983, and to the many volunteers who worked so hard to assist in the many tasks of conducting the

canvass. Appreciation is also due the President's Office; Comptroller's Office and the staff associations for underwriting modest overhead costs; Eileen Dunham of the Payroll Division for her reliable administration of records; Community Relations for providing regular support through the pages of *Folio*; United Way volunteers and staff for unfailing cooperation; and staff in the Department of Sociology for helping with many administrative tasks.*□

**The foregoing report was prepared by Gordon Fearn, Chairman of the United Way Campaign on campus.*

Garneau Village Hotel

The newest addition to the city's hotel scene is the residence complex in Garneau Village. The Department of Housing and Food Services is now accepting reservations, on a first come, first serve basis, for its four-bedroom units.

The units, 1,135 square feet in size, have a living room, kitchen, storage room, four bedrooms, and balcony. Some have a separate dining room. All are equipped with everything from utensils to towels, cable tele-

vision, telephone and are cleaned weekly.

Rates are as follows: one person, \$45 per night or \$975 per month; two people, \$50 per night or \$1,100 per month; four people (family) \$60 per night or \$1,200 per month. Priority will be given to people staying less than one month and to other short-term guests who would have the most difficulty finding accommodation off campus.

For reservations or information, telephone 432-4281.□

Calling All 'Old, Unskilled' Pucksters

The Over 35 Hockey League, sponsored by the Campus Recreation Wing of the Department of Athletic Services, has added a sixth team to its five-team league. The Bygones have a number of players on the roster already but could use five or six more. The team will start the schedule on 18 January and play every Wednesday evening at

Varsity Arena until 28 March, Reading Week excepted.

If you would like some weekly fun and exercise playing hockey (games are only an hour long), call Hugh Hoyles, Campus Recreation Coordinator, at 432-2555.

Remember, the league is a "no-hit, no-slapshot" league.□

Indoor Tennis, Anyone?

All members of the academic and non-academic staff who wish to play tennis indoors during the current winter session are invited to join the new University of Alberta Tennis Club.

The first meeting of the club will be held at 10 a.m. Sunday, 15 January, in the Universiade Pavilion, after which playing time will be available on two of the four courts until noon. The regular club playing time will be the same hours on succeeding Sundays, except for occasional special events.

This time will be restricted to club members. In addition, the courts are usually available for general recreational play from 2 to 4 p.m. Sundays and from 7 to 7:45 a.m. weekdays.

The U of A Tennis Club,

which will be open to students as well as to staff, has been admitted as a bona fide club within the Department of Athletic Services. A modest membership fee will be levied. At present, club play will be limited to the Pavilion; membership of the club currently will be completely separate from the summer memberships in the outdoor University of Alberta Tennis Centre at 51 Avenue and 121 Street.

For those unable to attend the meeting on 15 January, additional information may be obtained from the staff members on the provisional executive: Fred de Luna (History), 432-3539; Cindy Forre (Physical Education and Recreation), 432-5801; and Bill Schloegl (Bookstore), 433-2654.□

Area Studies Committee Offers Non-Credit Courses

For the fourth consecutive year, the Faculty of Arts' Area Studies Committee (Africa/South Asia) is offering courses in languages not yet included in the University curriculum. The aim of this program is to enable people from the University and greater Edmonton and area to develop a functional knowledge of major world languages which are useful for their research and their general cultural development.

The courses (for adults) are given on campus in the evenings

by native speakers and are free of charge. Courses are being organized for January to April, at beginners and intermediate levels, in Hindi, Tamil and Telugu and, for beginners only, in Swahili; the possibility also exists, if sufficient interest is shown, for courses in Bengali and Kannada. Anyone interested should contact S.H. Arnold, Areas Studies Chairman, 432-5535, or the Department of Comparative Literature, 432-4926. Organizational meetings are being arranged for the third week in January.□

Letters

The Quality of Education

■ I learned with surprise in the *Edmonton Journal* of 30 December that "Lougheed ignites teacher suspicion" because he considers the back-to-educational-basics move in order to improve the quality of education offered to the young people in our province. I am sure that there are enough ambitious and devoted teachers who would be able and willing to improve the standards and change the current situation that is far from being satisfactory. Any really

good educational system has to be based on inspiration, systematic learning, discipline, and a genuine evaluation of performance. The post-secondary education system is too expensive to function as a remedy of an inadequate secondary education. I would not say that additional funding and the provision of computers is so basic in this respect as the ATA claims. My suggestion is first of all to create organizational conditions under which the dedicated teachers would have a full opportunity to

develop their skills. Intellectual inspiration should be given a definite priority over memorization. It is more important for the students to learn how to think creatively and understand the nature of phenomena than to become intellectually polluted by changing fashions. The over-concern with making learning as easy and as entertaining as possible misses the main purpose of training: to prepare young people how to deal effectively with difficulties.

We need badly in our province an in-depth public discussion about the actual quality of education and how much value is achieved by the society from the input invested into the system.

Alexander J. Matejko, Sociology Ethics

■ It was with interest that I read about the Senate support of a task force on ethics in the 1 December issue of *Folio*.

I believe the concept of ethics, together with the concept of responsibility, are part of our life and help shape our society. This role needs to be examined and talked about. The Senate is an appropriate institution to bring this about and is to be congratulated on its action.

Jim Wiebe

people

T.K. Basu (Foods and Nutrition) was invited to give a guest lecture entitled "Metabolic Availability of Ascorbic Acid" at Hoffman-LaRoche in New Jersey, 22 November. He was also invited to attend the International Symposium on "Vitamins in Nutrition and Therapy" at Cartagena, Colombia, 24 to 26 November. Dr. Basu presented a paper there entitled "Drug-Vitamin Interactions," and also addressed the concluding remarks on "Ascorbic Acid Research."

Jean Gillespie (Occupational Therapy) presented a talk on the specificity of reinnervation of muscle and limitations to the trophic control of muscle properties by the nerve at the Society for Neurosciences' 13th annual meeting in Boston, Massachusetts, 8 November. The title of the presentation was "Random Reinnervation of LG and Soleus Muscles by Their Common Nerve."

Professor Gillespie also gave a talk on 18 November at the Alberta Heritage Medical Research days in Calgary. She presented results of recent research on the reinnervation of muscle.

L.C. Green (University Professor) attended the Toronto Conference of Canadian Lawyers and Jurists for Soviet Jewry, 11 December, and delivered an address on the Obligations of the Soviet Union under International Law.

Francis Jeffry Pelletier (Computing Science and Philosophy) has received the biannual award of the University of California Doctoral Graduates' Association for his study of retrocapillary retraction under controlled conditions.

Art Quinney (Physical Education and Sport Studies) was elected President of the Canadian Association of Sport Sciences and took office 4 November at the annual meeting of the association held in Waterloo. CASS/ACSS has a membership of about 400 sport scientists, including a broad international representation. The association publishes the *Canadian Journal of Applied Sport Sciences* and has recently released a book entitled *Physiological Testing of the Elite Athlete*.

S. Schaible (Finance and Management Science) served as chairman of invited sessions and as speaker on "An algorithm for generalized fractional programs" at the Joint National Meeting of the Operations Research Society of America and the Institute of Management Sciences in Orlando, Florida, in November 1983.

service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

Lectures and Seminars

13 January, 9 a.m. Robert Shprintzen, "Treatment Issues in Craniofacial Disorders: Nasopharyngoscopy and Video-fluoroscopy in Diagnosing Velopharyngeal Insufficiency." Glenrose Hospital Auditorium. Attendance to the above two seminars by registration only. Call C. Dollaghan at 471-2262, ext. 2470.
13 January, 8 a.m. Dr. York, "Superior Medial Syndrome." 2-115 Clinical Sciences Building.

Faculty of Arts

19 January, 4 p.m. R.W.F. Wilcocks, "The Uses of Literary Theory." 5-20 Humanities Centre.

Alberta Heritage Foundation For Medical Research

16 January, 3:30 p.m. S. Folkman, Department of Psychology, University of California at Berkeley, "Research on the Coping Process." CW-410 Biological Sciences Building.
17 January, 3:30 p.m. R. Lazarus, Department of Psychology, University of California at Berkeley, "Research on Life Events and Hassles: Stress as a Dependent Variable." CW-410 Biological Sciences Building. Both lectures are sponsored by the Department of Psychology.

Department of Philosophy

16 January, 4 p.m. James Dybikowski, University of British Columbia, "David Williams and the 18th Century Distinction Between Civil and Political Liberty." L-2 Humanities Centre.
17 January, 3:30 p.m. James Dybikowski, "Teaching, Learning and Knowledge in Plato's Philosophy." 4-20 Humanities Centre.

Department of Religious Studies

18 January, 4 p.m. M. Roeder, "Secular Cantatas." Lecture Theatre 2, Humanities Centre.

Limnology and Fisheries Discussion Group

19 January, noon. Ron Hicks, Alberta Environment, "Water Management Planning Process: The Cold Lake—Beaver River Study." G-217 Biological Sciences Building.

Department of Psychology

19 January, 12:30 p.m. Gordon Hopkins, Department of Communications, Government of Canada, "Energy Effectiveness in Indoor Environments. A Human Factor Analysis." P-210 Biological Sciences Building.

Forest Industry Lecture Series

19 January, 3:30 p.m. Vidar J. Nordin, Dean, Faculty of Forestry, University of Toronto, "Education and Research—Retrospective and Prospects." 346 Chemical/Mineral Engineering Building.

Canadian Institute of Ukrainian Studies

20 January, 7:30 p.m. David H. Swartz, "American Policy Toward Ukraine in the Context of Soviet-American Relations." Heritage Lounge, Athabasca Hall.

Music

Department of Music

All events take place in Convocation Hall, unless otherwise specified.
12 January, 8 p.m. A visiting artist recital by Jean-Paul Sevilla, piano.
22 January, 3 p.m. A Faculty Recital with Ron Nelsen, baritone, and Alexandra Munn, piano.

Edmonton Chamber Music Society

18 January, 8 p.m. The Emerson String Quartet playing quartets by Mozart and Beethoven and a commissioned work by Maurice Wright. Admission by season membership or as guest of members, available at the door. SUB Theatre.

Films

Department of Germanic Languages

18 January, 7:30 p.m. "Feine Gesellschaft - Beschränkte Haftung. Admission free. Arts 17

Radio and Television

Radio

Programs broadcast on CKUA radio 580 AM and 94.9 FM.
14 January, 7 p.m. University Concert Hall: U of A String Quartet. Guests: Norman Nelson, Micheal Bowie and Larry Fisher.
18 January, 7 p.m. Celebrations: Interview and reading with Marian Engel.
21 January, 7 p.m. University Concert Hall: What Ever Happened to the Avant-garde? Guest: Alfred Fisher.

Television

Programs broadcast on ETV Q-9 and C-13.
18 January, 8 p.m. International Affairs—"International Law and World Order." Guest: Manfred Lachs, International Court of Justice.

Sports

Wrestling

14 January, 10 a.m. University of Alberta Invitational. Varsity Gym

Hockey

20 and 21 January, 7:30 p.m. Golden Bears vs. University of Saskatchewan Huskies. Varsity Arena.

22 January, 2:30 p.m. Golden Bears vs. University of Lethbridge Pronghorns. Varsity Arena.

Basketball

20 January, 7:30 p.m. Golden Bears vs. University of Saskatchewan Huskies. Varsity Gym.

Volleyball

22 January, 6:30 and 8:30 p.m. Golden Bears and Pandas vs. University of Calgary Varsity Gym.

Track and Field

20 and 21 January, 5 p.m. and 9 a.m. Golden Bear Open. Universiade Pavilion.

Matters of Faith

Chaplains' Association

Mondays, 7:30 p.m. Evening Prayer in preparation for the Pilgrimage of Reconciliation and Hope by the Taizé Community. St. Joseph's College Chapel.

Catholic Campus Ministry

St. Joseph's College
Sunday Mass: Saturday, 4:30 p.m., Sunday, 9:30 and 11 a.m. and 4 and 8 p.m.
Weekday Mass: Monday, Wednesday, Friday, and Saturday at 12:10 and 4:30 p.m. and Tuesday and Thursday at 12:30 and 4:30 p.m. Also Monday to Friday at 7:30 a.m.

Lutheran Campus Ministry

Sundays, 10:30 a.m. Worship with Holy Communion in the Newman Centre of St. Joseph's College. The University community is welcome to attend.
7:30 p.m. Thursday evening worship at the Lutheran Student Centre, 11122-86 Avenue.
Wednesdays at noon. Bible Study, 158A Students' Union Building.

SUB Theatre

Concerts

Until 15 January. SUB Theatre and CKRA present John Gray's musical play "Rock and Roll." For more information, call 432-4764.
16 January, 8 p.m. The Edmonton Film Society presents, "Privileged" (1983). Admission by series tickets only, available at the SUB Box Office, Woodward's, and the door.
17 January, 7 p.m. The U of A Engineering Students' Society presents "Skit Nite." Tickets available from the Engineering Club offices and ESS members.
19 January, 8 p.m. "Monty Python's The Life of Brian," presented by Kappa Alpha Theta. Tickets: \$4, available at the door. All proceeds to charity.

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Non-Credit Courses

Computing Services

MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)
AJ510 Operation and Visual Editing
MTS Overview (Prerequisite)

Textform

Introduction to Text Formatting (Prerequisite)
Advanced Text Formatting

SPIRES

Introduction to SPIRES (Prerequisite)
Advanced SPIRES

Graphics

Introduction to Plotting
Integrated Graphics Overview

Statistics

Data Preparation for Statistical Packages (Prerequisite) Introduction to SPSSx
SPSSx Conversion
Introduction to BMDP
Introduction to MIDAS
Introduction to MINITAB
Introduction to TROLL

Microcomputers

Introduction to the IBM PC
The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.
Courier Operation and Visual Editing
Introduction to Programming
Introduction to Typesetting
Introduction to APL
Introduction to the Array Processor
Introduction to APAL
Introduction to Clustan
Introduction to TSP
Introduction to Osiris
For more information on any of the courses listed above, please phone the Training Assistant at 432-2511, between 8:30 and noon, weekdays.

Faculty of Extension

Real Estate Education

For further information on the courses listed below, telephone 432-5060.
Advanced Real Estate Law

Appraisal of Real Property
Contract Law for Real Estate Personnel
Property Management
Real Estate and Mortgage Finance

Land Use Planning Studies

For further information on the courses listed below, telephone 432-2912.
The Business of Practicing Architecture
The Planning Profession in Slow Growth: Year Two: Where to From Here?
Comprehensive Planning
Slow Growth—Year II
Planning Commercial and Industrial Areas

Liberal Studies

For a Winter-Spring 1984 Brochure, phone 432-3033. Role of Political Opposition
Becoming Human
Introduction to Micro-Computers for Laypersons
Alberta's Language Heritage
Oral Communication

Visual Arts

For further information on the courses listed below, telephone 432-3034.
Drawing and Painting I
Drawing I
Travel and Art in North America
Alberta art and Artists
Architecture—Then and Now
Gauguin, Van Gogh, Picasso and Munch

Fitness and Lifestyle Courses

For further information on the courses listed below, telephone 432-2015.
Fitness Over Forty
Exercise Physiology and Anatomy
Co-Ed Fitness
Co-Ed Aerobic Fitness
Fitness for Nurses

Business and Professional

For further information on the courses listed below, telephone 432-5066 or 432-5067.
Office Automation: An Overview
Management Transactional Accounting
Salary and Wage Administration
Assertive Management for Women
Organizational Climate

Department of Electrical Engineering

CAD Group

For further information on the courses listed below, telephone Phil Haswell at 432-5966 or 432-5877.
CADDs 4 Basic—9 January to 1 February
CADDs 4 Basic—30 January to 10 February
Basic PC/ES (Printed Circuit/Electrical Schematic)—27 February to 9 March
Basic PC/ES (Printed Circuit/Electrical Schematic)—19 to 30 March
Advanced PC/ES—30 April to 4 May (tentative)

Devonian Botanic Garden

For further information on the courses listed below, telephone 987-3054.
Wildflowers of the World—Join the staff of

the Garden for a series of seven weekly slide shows encompassing the flora of several continents.

Botanical Illustrating and Drawing—An introduction to drawing emphasizing those techniques and skills useful for illustration.

Notices

Selection Committee, Dean of Engineering

The GFC Nominating Committee is seeking nominations for one faculty member, not a member of the Faculty concerned, to serve on the above selection committee. Would those who have suggestions for nominations or who are interested in serving on the Selection Committee for the Dean of Engineering please contact Mrs. P.M. Plaskitt, Secretary to the GFC Nominating Committee, at 2-5 University Hall, 432-4715, not later than Wednesday, 18 January.

Selection Committees, Faculty of Agriculture and Forestry

Selection committees for chairmen have been established for the Departments of Entomology, Forest Science and Soil Science. Anyone wishing to address comments to these committees may do so in writing to: Dr. R.T. Berg, Dean, Faculty of Agriculture and Forestry, 2-14 Agriculture-Forestry Centre.

Nick Muntjewerff to Retire

Nick Muntjewerff, Senior Biology Technologist, Department of Genetics, retired 31 December 1983. His association and loyal service to the University of Alberta for more than thirty-two years will be honored at an informal drop-in reception in G217 Conference Room, Genetics Wing, Biological Sciences Centre, 13 January at 4 p.m.

Staff, friends and acquaintances of Mr. Muntjewerff's are cordially invited on this occasion to wish him well on his retirement.

For further information and R.S.V.P. your attendance, please contact Susan Malinsson, Genetics General Office, 432-3606.

1983 Edmonton Area Study

The results of the 1983 Edmonton Area Study are available to the public. The theme was "Quality of Working Life". A sample of 420 was obtained with a 77 percent response rate.

The Edmonton Area Study is conducted annually by the Population Research Laboratory. For information on on-going research, data requests, or current publications, write: Ilze Hobin, Administrative Assistant, Population Research Laboratory, Department of Sociology, 5-21 Tory Building, The University of Alberta, Edmonton, Alberta T6G 2H4.

Periodontics Project

The Division of Periodontics is selecting patients with advanced gum disease (pyorrhea) for a new research project. If you have sore, bleeding gums, a history of gum infection/abscesses, loose teeth.

telephone the periodontal clinic, 432-4475, for a screening appointment. If you are accepted for this project, the necessary periodontal treatment will be at a *nominal reduced fee*.

Edmonton Historical Board Invites Nominations for Awards

The Edmonton Historical Board is seeking nominations for its 1984 Recognition Awards. Since 1975, the board has recognized annually people who have made a substantial contribution to the history of Edmonton, to arousing interest in that history, or to preserving it.

Anyone wishing to nominate an individual or group thought to deserve the award should submit a detailed account of the contribution made in connection with Edmonton's history, together with a picture, to the Awards Committee, Edmonton Historical Board, City of Edmonton Archives, 10105 112 Avenue, Edmonton, Alberta T5G 0H1.

The board needs nominations and supporting material by 1 February. The awards will be presented at a dinner at Fort Edmonton in the fall.

For further information, telephone City of Edmonton Archivist Helen LaRose, 479-2069, or current Board Chairman Georgia Baird, 423-5510.

Surplus Equipment

The equipment appearing in this column is available only to University Departments with University Administered Funds. For further information about the purchase of equipment or the disposal of any of your de-

partment's surplus equipment, contact Roslyn Hanchard or Roy Bennett, telephone 432-3208.

For Sale. 1. Tektronix 4014-1 Computer Graphics Display Terminal
2. Tektronix 3631 Hard Copy Unit
3. Systems Approach 1M/70 Computer (CPU unit with 4 floppy disk drives and disk unit with 1 fixed and (removable disk) Also, 18 of the removable disks will be supplied.

System documentation is available although it is not complete.

Note: Above items may be sold separately or as a complete system with software for CAD system called GRAPPLE supplied. For further information, telephone Roger Neville, Energy Management, 432-2986.

Positions Vacant

The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Registrar

The Registrar, with a staff of seventy-four, is responsible for the admissions, registration, and student records of the University (full-time enrolment currently 23,000); serves on the senior academic councils of the University; is responsible for the preparation and publication of University calendars and timetables; and works with Faculties to inform prospective students about the University and its programs. The Registrar's Office utilizes a computerized system of student records which is currently being upgraded.

This position has a salary range of \$45,297 to \$67,953 per annum with an attractive benefits package.

The deadline for applications is 31 January 1984. The date of appointment will be 1 July 1984, or later by agreement with the appointee.

Applications, including a detailed curriculum vitae and the names of three references, should be sent to: Dr. Ron Bercov, Associate Vice-President (Academic), The University of Alberta, 3-6 University Hall, Edmonton, Alberta T6G 2J9.

Non-Academic Positions

A hiring freeze was put in place 18 November 1983. This affects all non-academic vacancies previously advertised with the exception of the positions funded from Trust/Research accounts.

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. As positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 15 December 1983. For a more up-to-date listing, please consult the weekly Employment Oppor-

tunities Bulletin and/or the postings in PSSR

Clerk Steno III (Trust) (\$1,294-\$1,561) Extension
Clerk Typist III (Term) (\$1,294-\$1,561) Housing and Food Services
Clerk Typist III (Term) (\$1,294-\$1,561) Physics
Technician I/Technologist I (Trust) (\$1,497-\$2,092) Physiology
Technician I/Technologist I (Trust) (\$1,497-\$2,092) Immunology
Technician I (Trust) (\$1,497-\$1,842) Medicine
Technologist I (Trust) (\$1,920-\$2,378) Genetics
Biology Technologist II (Trust) (\$1,920-\$2,378) Genetics

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of thirty words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Adver-

INTEREST BONUS '84

Jan. 2nd - Feb. 4th

All new investments* made to your Co-op daily interest account from Jan. 2nd - Feb. 4th/84 will earn you

7 1/4 %**

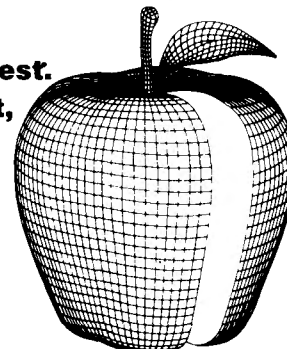
from Jan. 1 provided the funds remain in your Co-op daily interest savings account at least 21 days from the date of investment

* New investments are defined as funds not previously invested in any Co-op account. ** Rate calculated daily compounding annually. Subject to change without notice.

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Ask about our contest.
Any way you slice it,
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The Senate

The University of Alberta

Nominations for Honorary Degrees

The Senate invites members of the public to nominate candidates for Honorary Degrees.

The University of Alberta awards Honorary Degrees to individuals who have made outstanding contributions during their lives. The University Senate is responsible for choosing four or five recipients each year.

Nominees may be of local, national or international reputation and need not be of Canadian citizenship.

Nominations must be received in The Senate Office by Friday, February 3, 1984, and should include at least the signatures and addresses of two nominators, as well as a resume of the nominee. Enquiries should be addressed to:

The Senate
The University of Alberta
150 Athabasca Hall
Edmonton, Alberta
T6G 2E8
Phone (403) 432-2268

tements cannot be accepted over the telephone.

Accommodations available

For sale - Architecturally designed, executive home in Windsor Park. Excellent condition and location. Call Sharon Campbell, 435-8344. Langley, 436-3050.

For sale - By owner. Two-bedroom house, very good condition, hardwood floors, gas fireplace, new roof, North Inglewood, must sell, accepting offers. 432-5732 or 452-2092 evenings.

For sale - Cedar house, 14.59 acres, 45 minutes from downtown. 1,477 sq. ft., four bedrooms, double garage, chalet, livestock facilities, ten acres fenced pasture. \$115,000. Richard Price, 922-4164 evenings/weekends.

Sale - \$41,900, spacious, single-bedroom condominium. Extensive grounds, 6815-112 St. 434-2693 after 6 p.m.

Sale - Windsor Park. Super, quiet location. 1,500 sq. ft. home, large lot, good potential. Good price. Call Chris Tenove, 433-5664, 436-5250.

Sale - University special. Only \$84,900. Three/four bedrooms. Cozy home. Well maintained, fully developed. Quiet avenue. Walk to University. Call Chris Tenove, 433-5664, 436-5250.

Sale - Country home, 1,450 sq. ft. main floor. Finished basement, three bedrooms, den, fireplace, 1 1/2 baths. Guesthouse, double garage, three acres, mostly treed, 25-30 minutes to University. \$120,000. 467-4894.

Accommodations wanted

Canadian Ophthalmologist and Radiologist and three-month-old daughter, require convenient, good home, Feb./March - June, July, August 1984. References, non-smokers. R. Johnson, Flat 453, William Goodenough House, Mecklenburgh Square, London, England. WC1N 2AN. 01-833-1755.

Automobiles and others

1982 Supra - "GTS" Immaculate condition,

29,000 km., 5-speed, air conditioning, power sunroof, "ice-blue" exterior, every conceivable option, regular maintenance complete, nicest '82 Supra around! Call Glenn, 434-9391.

Goods for sale

Birchwood - Split, dry, delivered to your door. Call MJB Construction. 487-7514. Books bought and sold - The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

Free to good home, seven-week-old, male kitten. 432-2113, 435-0333 after 5:30.

Services

Donnie Word Processing. Specializing in theses, manuscripts, etc. 8315A-105 St. 432-1419.

Singing teacher, Eileen Turner 439-4661. Backaches? Stress? Tension? Relief promised at Back Basics. Physiotherapist Maria Krieg uses heat, massages, chiropractic and interferential

electrotherapy for special treatments. (Gift certificates). 11627-75 Ave. 436-8059.

Do your own typing on our word processors, \$5/hour. Letter quality (daisy wheel) printers. Limited training available (easy to learn). For information, call U of A Printing Services, 432-3754.

Thesis typing - papers. Experienced. 455-0641.

Singles: Unitarian Singles Club. Monthly dances. For information, call 429-3263, 458-0389, 464-3348.

Yoga for health and fitness classes on campus. Wednesday evenings. Phone Carol, 471-2989 evenings, weekdays.

Parkallen Community League, evening courses, 7:30 p.m.: Monday - massage, \$50. Tuesday - crochet, \$20. (Also Wednesday afternoons 1:30-3:30). Wednesday - knitting, \$20. Start February, call Beatrice 437-4130.

Finishing carpentry and all types of interior renovations. Upgrade your home with new doors, feature wall, etc. Work completed by professional tradesmen. 432-7974.

COURSES IN MICROELECTRONICS

INTEL 8086 / 8088 with the IBM PC hardware/software design parameters, assembler language programming

Jan 19 - Feb 16, Thursdays
7:00 - 10:00 P.M.

INTRODUCTION TO MICROPROCESSORS
the basics of programming microprocessors in assembler

Jan 10 - Feb 2, Tuesdays and Thursdays
6:30 - 10:00 P.M.

MICROPROCESSOR INTERFACING
a "hands on" approach to interfacing

Feb 7 - Mar 1, Tuesdays and Thursdays
6:30 - 10:00 P.M.

MICROPROCESSOR PROJECT
hardware & software design - build & keep a microprocessor project

Mar 6 - 29, Tuesdays and Thursdays
6:00 - 9:30 P.M.

SOFTWARE ENGINEERING
how to deliver reliable software that meets specifications on time

Feb 20 - Mar 14, Mondays and Wednesdays
7:00 - 10:00 P.M.

for information and brochures, contact

ALBERTA MICROELECTRONIC CENTRE

A non-profit organization committed to improving profitability of Alberta industry by applying high technology

Room 544, Electrical Engineering Building
The University of Alberta
Edmonton, Alberta, T6G 2G7

Telephone: 432 - 3914

Stop Smoking with Operation Kick It

Alberta Lung Association's eight week smoking cessation programme, starts 26 January, 1984. Eight one-hour lessons will help you to kick the weed.

Non-Smokers give some help to smokers. We'll help you to be an **O.K.I.** smoking cessation leader. Get in the campaign to help people stop smoking. Four hour training seminar and eight hours of your time to help smokers quit. Stop complaining —

Clean up your environment
Help a smoker quit.

Name _____ Campus Phone _____
Dept. Location _____ Home Phone _____
Preferred Day _____ Preferred Time _____
How long have you smoked? _____
How many cigarettes do you smoke each day? _____

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Physical Education
&
Recreation Centre**